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Order from OTS or SLA \$1.10 61-18197

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
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1944, v. 45, p. 244-247.

DESCRIPTORS: *Hydrocarbons, Oxidation, *Ethanes,
Catalysts, Water vapor, Chemical reactions.

In the oxidation of ethane in stoichiometric proportions
with oxygen the reaction rate at a temperature of 466
and 486°C depends upon the quantity of the substance
that has reacted and upon the quantity of water vapour
added. It is impossible to explain the acceleration of
the reaction by the catalytic action of water alone,
some kind of intermediate products exist that cause the
(Chemistry--Organic, TT, v. 6, no. 7) (over)

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DESCRIPTORS: *Hydrocarbons, *Ethanes, Oxidation,
Water vapor, Catalysts.

The induction period in oxidation of ethane was studied.
Below 600° water vapor catalyzes oxidation of ethane,
but not above this temperature. At 630° C and pres-
sures of 100-300 mm mercury the induction period of
oxidation of ethane was not affected by 3.6% water.
(Author) (See also 61-18197)

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DIVISION OF THE TERRIGENOUS DEVONIAN OF
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39 refs.

Order from OIS or SLA \$14.50

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Transl. of mono. Delenie Terrigenogo Devona Uralo-
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Moscow, 1957, 113p.].

DESCRIPTORS: *Paleoecology, Geology, USSR.

Content:

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Ural-Volga Region

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Trans. of mon. Subdivision of the Terrigenous
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DESCRIPTORS: *Petroleum, *Paleoecology, Geology,
*Plants, Sedimentation, Drilling machines, Deposits,
*Natural gas, Geochemistry, Geophysical prospecting.

Phytostratigraphic investigations of the Devonian sys-
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a part of the Russian Platform yielded for the first
time complete sections both in marine and continental
facies, producing vast material on fossil plants
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Chirkova-Zaleskaya, E. F.
PROBLEMS OF BIOSTRATIGRAPHY OF CONTINENTAL
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16 Dec 60 (11) p.
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Trans. from mono. All-Union Paleontology Society.
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DESCRIPTORS: *Stratigraphy, *Paleontology,
Geology, *Siberia, Geologic age determination.

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